# **Refine Search**

### Search Results -

Terms	Documents
L6 and cool\$5	10

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L7	~		TOTAL CONTROL OF THE PARTY OF T	Refine Search
	Recall Text	Clear		Interrupt

## Search History

DATE: Thursday, October 21, 2004 Printable Copy Create Case

Set Name side by side		Hit Count	Set Name result set
DB=PG	PB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YESCAPE STATES STA	S; OP=ADJ	
<u>L7</u>	L6 and cool\$5	10	<u>L7</u>
<u>L6</u>	L5 and (tube or nozzle)	10	<u>L6</u>
<u>L5</u>	L4 and silica	20	<u>L5</u>
<u>L4</u>	L3 and feed	23	<u>L4</u>
<u>L3</u>	L2 and reactor	36	<u>L3</u>
<u>L2</u>	L1 AND HETEROPOLYACID CATALYST	50	<u>L2</u>
<u>L1</u>	ESTER AND OLEFIN AND CARBOXYLIC ACID	44072	<u>L1</u>

END OF SEARCH HISTORY

# **Hit List**

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20040167353 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 10

File: PGPB

Aug 26, 2004

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20040167353

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040167353 A1

TITLE: Ester synthesis

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

COUNTRY NAME CITY STATE RULE-47 Becker, Stanley John Addlestone GB Bryne, Geoffrey Bishopston GB Froom, Simon Frederick Thomas Snaith GB Hodge, Stephen Robert Beverley GB

US-CL-CURRENT: 560/241

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D
			***************************************					Silling to the control of the contro				

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20020161124

PGPUB-FILING-TYPE: new

L7: Entry 2 of 10

DOCUMENT-IDENTIFIER: US 20020161124 A1

TITLE: Dispersants prepared from high polydispersity olefin polymers

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Johnson, John R. Euclid OH US Burrington, James D. Mayfield Village ОН US Kolp, Christopher J. Richmond Heights OH US Pudelski, John K. Cleveland Heights ОН US

Dietz, Jeffry G. University Heights OH US McCullough, Gregory R. TXUS Seabrook ОН Baumanis, Charles K. Geneva US OH US Cerda de Groote, Carlos L. Lakewood

US-CL-CURRENT: <u>525/178</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Draw De

### ☐ 3. Document ID: US 20010047107 A1

L7: Entry 3 of 10

File: PGPB

Nov 29, 2001

PGPUB-DOCUMENT-NUMBER: 20010047107

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010047107 A1

TITLE: Ester synthesis

PUBLICATION-DATE: November 29, 2001

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Coker, Eric Nicholas Albuquerque NM US
Froom, Simon Frederick Thomas Snaith GB
Smith, Warren John Feltham GB

US-CL-CURRENT: 560/247

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D

#### ☐ 4. Document ID: US 20010029307 A1

L7: Entry 4 of 10

File: PGPB

Oct 11, 2001

PGPUB-DOCUMENT-NUMBER: 20010029307

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010029307 A1

TITLE: Ester Synthesis

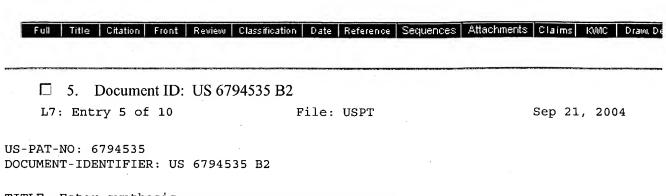
PUBLICATION-DATE: October 11, 2001

INVENTOR - INFORMATION:

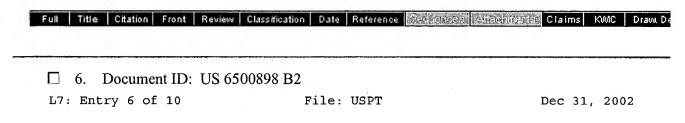
NAME CITY STATE COUNTRY RULE-47

Froom, Simon Frederick Thomas East Yorkshire GB Hodge, Stephen Robert East Yorkshire GB Pacynko, Witold Franciszek East Yorkshire GB

US-CL-CURRENT: <u>560/247</u>



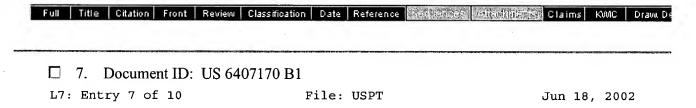
TITLE: Ester synthesis



US-PAT-NO: 6500898

DOCUMENT-IDENTIFIER: US 6500898 B2

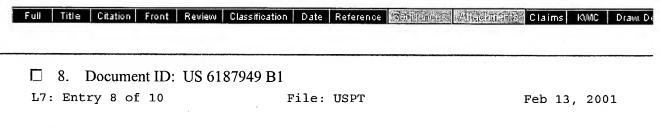
TITLE: Dispersants prepared from high polydispersity olefin polymers



US-PAT-NO: 6407170

DOCUMENT-IDENTIFIER: US 6407170 B1

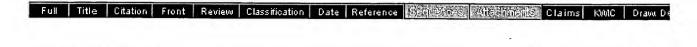
TITLE: Dispersants prepared from high polydispersity olefin polymers



US-PAT-NO: 6187949

DOCUMENT-IDENTIFIER: US 6187949 B1

TITLE: Synthesis of lower aliphatic  $\underline{\text{esters}}$  using heterpolyacids with an aldehyde-free product stream



O	Dogument	m.	US 5817831	٨
 У.	Document	11):	US 5817831	А

L7: Entry 9 of 10

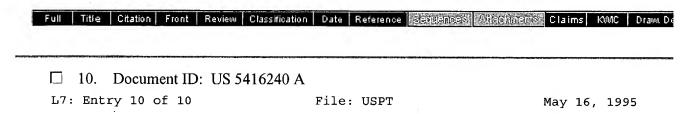
File: USPT

Oct 6, 1998

US-PAT-NO: 5817831

DOCUMENT-IDENTIFIER: US 5817831 A

TITLE: Alkylation of aromatic amines using a heterpoly catalyst

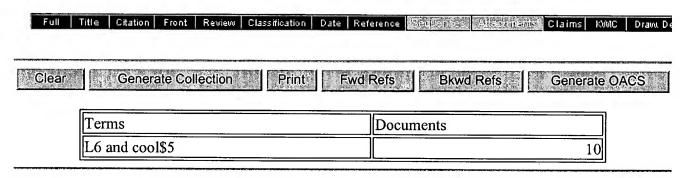


US-PAT-NO: 5416240

DOCUMENT-IDENTIFIER: US 5416240 A

\*\* See image for Certificate of Correction \*\*

TITLE: Preparation of poloxy-alkylene glycols



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